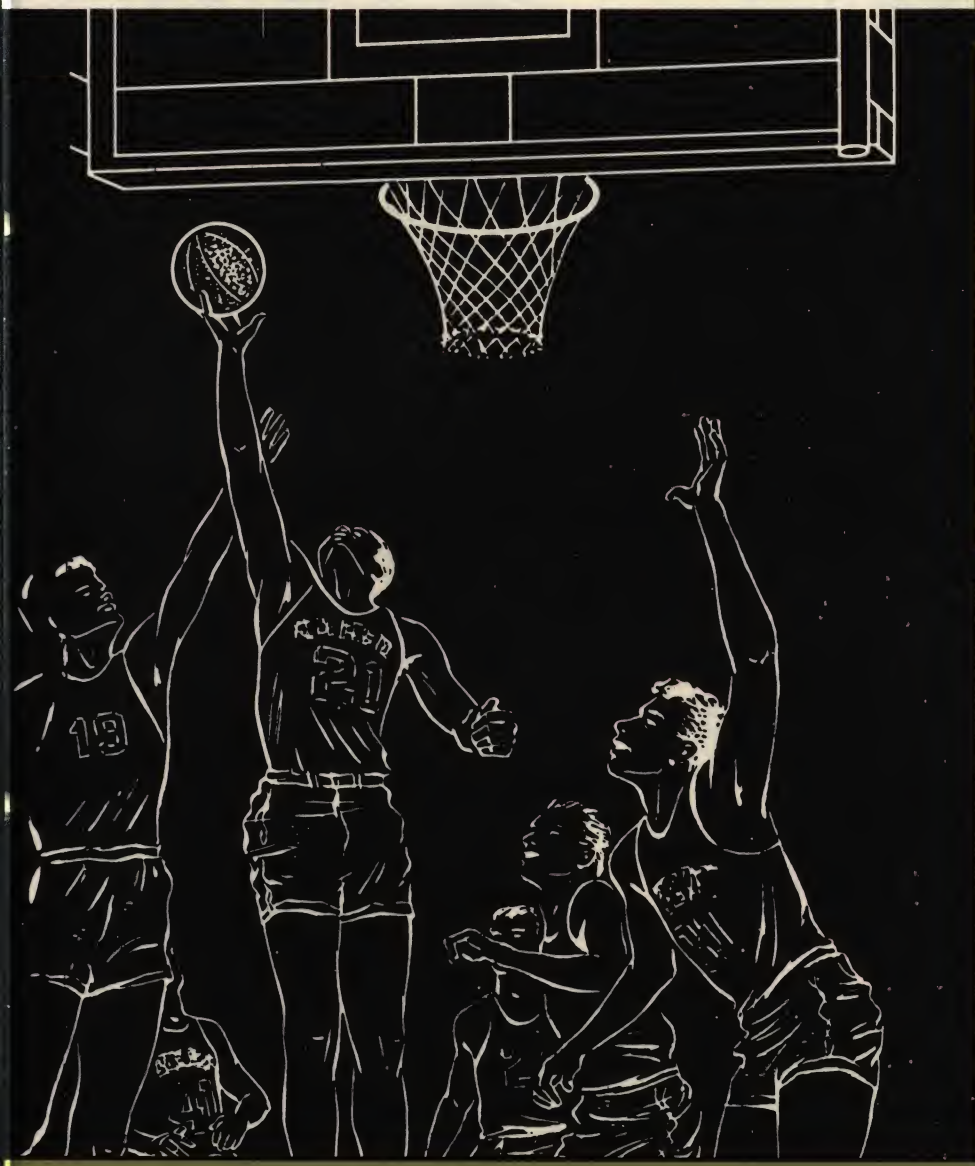


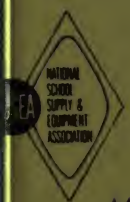
the recreation line



RECREATION EQUIPMENT CORP.

ANDERSON • INDIANA

DEPARTMENT SF



Manufacturers of Playground • Park • Swimming Pool and Basketball Equipment

SELECTOR GUIDE

description	suggested use	model no.	page
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CEILING SUSPENDED • fold up types

Forward fold up	In front of stage or bleachers where fixed backboard would obstruct view.	112F	4
Backward fold up	Where trusses or other obstructions interfere with 112F operation.	112B	4
Forward fold up	Where backboard sets too close to wall to permit use of standard 112F.	110F	5

CEILING SUSPENDED • stationary types

Stationary ceiling suspended	Where backboard is located 10 ft. or more from wall, or wall will not support wall mounted types.	113T	6
Stationary ceiling suspended and wall braced	Where backboard is located 10 ft. or less from wall, and wall will not support wall mounted types.	113W	6
Ceiling suspended wall braced gate type, stationary	Where backboard location coincides with folding partition travel, backboard only swings around.	18T	7
Ceiling suspended gate type, fold up	Where backboard location coincides with folding partition travel, and backstop must swing up.	18TF	7

WALL MOUNTED • stationary and hinged types

Wall mounted swing up	Where necessary to swing up backboard and wall conditions are suitable, backboard located 10 ft. or less from wall.	15	8
Wall mounted stationary	Where backboard to wall is 10 ft. or less, and wall is suitable.	12	8
Wall mounted side fold	Where swing around type can be used, folds in space equal to distance from backboard to wall.	16	8
Wall mounted stationary	Where unobstructed wall permits wall mounting, or with glass backboard extended to 12 ft. from wall.	120	8
Wall mounted window span, stationary	Where backstop is located in front of window, or must straddle heat pipes, etc.	17	9
Wall mounted gate type	Where backboard location coincides with folding partition travel, backstop folds against wall.	18	9

PORTABLE TYPES

Portable folding floor type	Where necessary to remove backstop from gym. (Requires storage space.)	22	9
Portable folding stage type	Where small gym requires backstop to be located on stage. (Requires storage space.)	23	9
Pedestal type stationary	In large structures where truss height is too great to permit truss suspended types.	312P	9

planning assistance

We will gladly place the resources of the Recreation Engineering Department at your disposal to assist you in selecting the proper backstop, or in designing special equipment to suit your needs.

Upon receipt of backstop order, Recreation's engineering department will design equipment and furnish shop drawings for approval before shipment is made on any backstop apparatus. Overhead backstop supports vary greatly with building construction and are designed to fit each building. When ordering backstops send along architect's blueprints and specifications for our use in designing supports.

information required for quotations

1. Height from floor to bottom of truss flange.
2. Type of truss.
3. Spacing of trusses and distance from wall.
4. Distance from wall to face of backstop.
5. Construction of wall or stage arch.
6. Height of finished ceiling, if present.
7. Type of backstop and backboard required.
8. If available, architect's blueprints and specifications can be sent; instead of items 1 thru 7.



- selector guide
- construction features

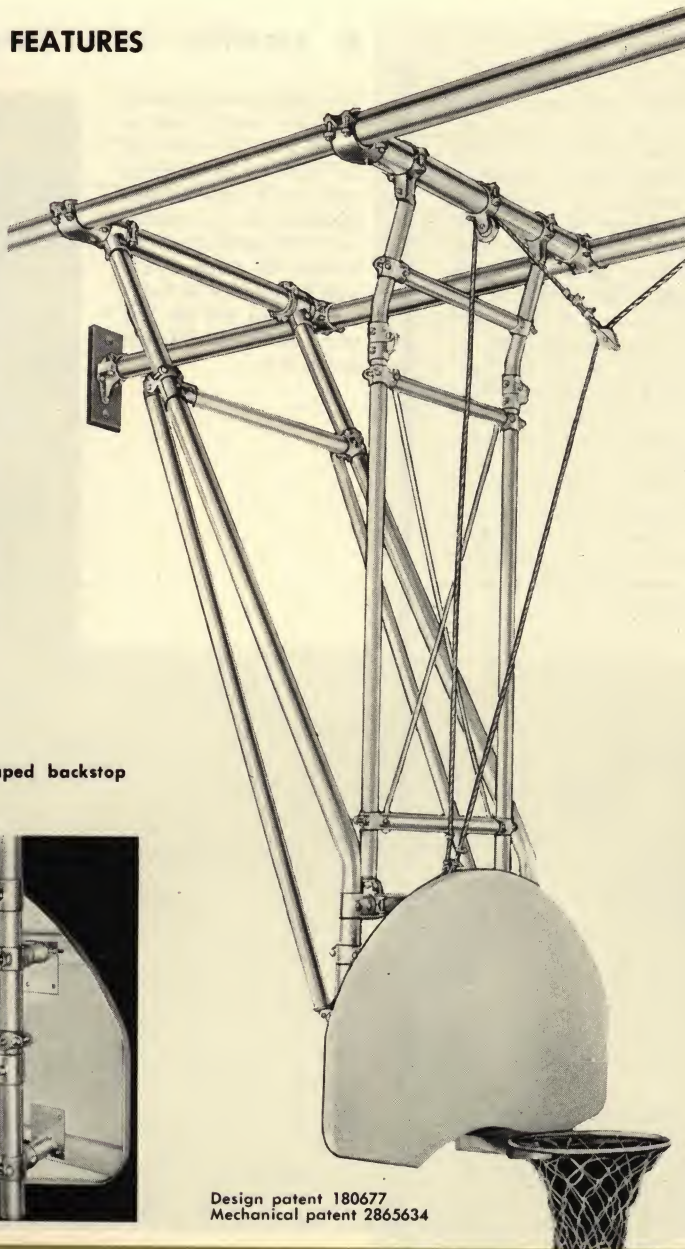
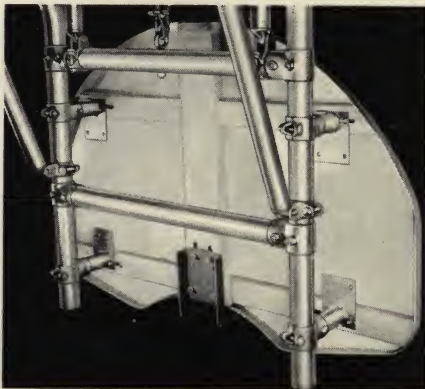
CONSTRUCTION FEATURES

■ New patented principle in backstop construction. Weight of backstop locks hinged vertical assembly. Nothing to wear out or get out of order. Unlocks automatically when backstop is hoisted. Hoist cable automatically retracts out of playing area as backstop is lowered.

■ Main oblique support assembly constructed of 2" I.D. pipe.

■ Extra 1½" I.D. pipe braces connected to back of each 2" I.D. main support pipe for additional rigidity.

■ Rear view showing fan shaped backstop attached to superstructure.



Design patent 180677
Mechanical patent 2865634

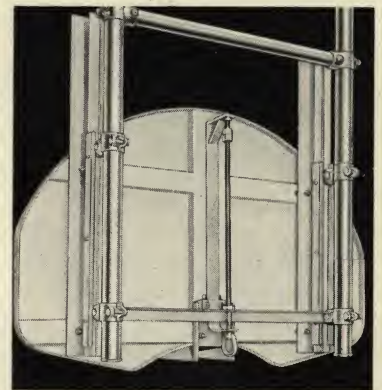
■ Fittings are malleable iron. Spacer pipes connected at intersections with fittings of steel stampings.

■ Vertical assembly cross braced with 7/16" diameter guy rods with locknuts.

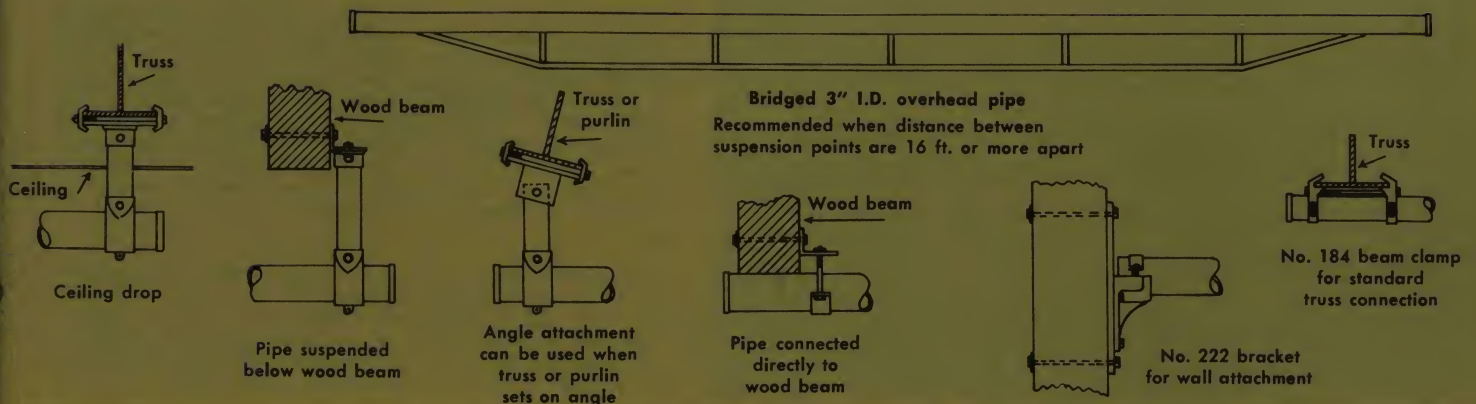
■ Backboard attaches to main frame by adjustable fittings for goal height adjustment. Other adjusting points for plumbing backboard.

■ Precision manufactured and factory assembled. Can be installed more easily in less time.

■ New adjustable backboard. Height of backboard above floor is adjustable to accommodate all age groups. Operated with removable crank from floor for 8' to 10' goal height. Fits most types of backstop apparatus.
MODEL 810



typical details of overhead superstructure

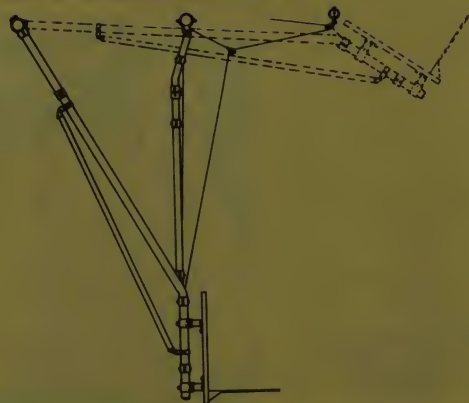


■ FORWARD FOLD • standard model 112F

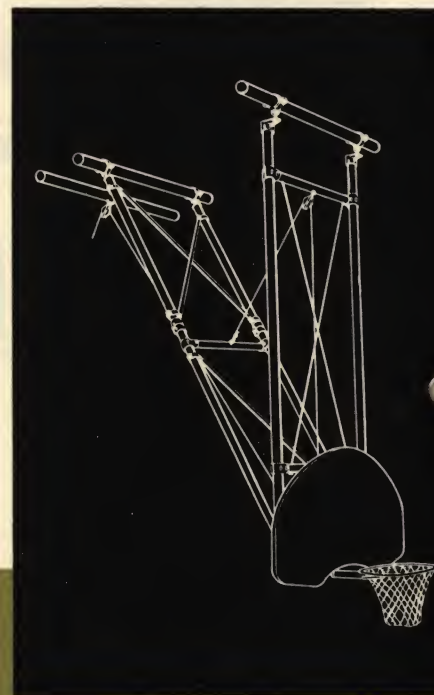


Design patent 180677
Mechanical patent 2865634

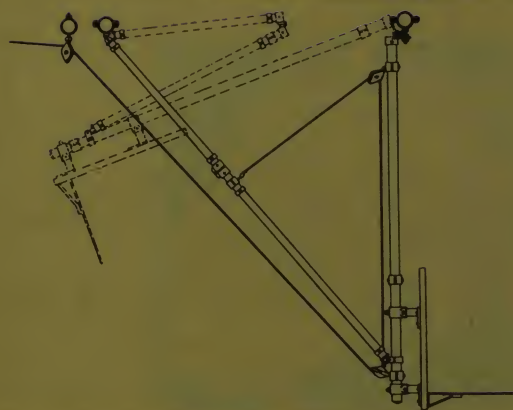
These units can be used in front of a stage, for cross courts, or at other points where it is advantageous to raise the backstops up out of the way when not in use. Weight of the backstop keeps the hinge closed in playing position but unlocks automatically as winch is operated. Lowering the backstop automatically pulls the hoist cable up out of the way. Entire assembly withstands practically all backward motion and vibration when a ball strikes the backboard. Retracting cable is steel rope.



■ BACKWARD FOLD • standard model 112B



This model can frequently be used where truss or building conditions such as lighting or heating units would interfere with forward fold-up installation. For satisfactory operation, the distance from wall to the face of backboard must not be less than the truss height minus 9 ft.



general specifications • models 112F and 112B

Overhead supports—Unless otherwise stated on quotations all ceiling suspended backstops are furnished with all pipe and fittings for a complete installation. Horizontal support pipe 3" I.D. attached to roof trusses with extra heavy malleable iron beam clamps. Wall brackets are furnished where pipe attaches to wall.

Bank extensions—6" extension standard—2 ft. extension furnished upon request at slight additional cost.

Fittings—Certified malleable fittings tested to more than 50,000 psi tensile strength.

Hoist cable—5/16" 6x19 plow steel wire hoist cable. 3.7 tons tensile strength.

Backstop frame—Shipped assembled.

No. 112F

Main support assembly, consists of two 2" I.D. pipes bent 30° from vertical, pivot around a 3" I.D. pipe. Spaced to accommodate the selected backboard by two 2" I.D. pipe spacers located near the lower end and one 1½" I.D. adjustable spacer located about 3 ft. from the pivot end. Additional stiffeners are attached midway between the back-

board supports to the back of each 2" I.D. support pipe and extend up about two-thirds assembly length. Additional cross pipes are provided when pivot point is 24 ft. or more above floor.

The vertical support assembly consists of two 1½" I.D. pipes, hinged near the top to permit folding and attached at the lower ends by pivot type supports to a 2" I.D. cross member of the main support assembly. The upper ends are attached to a 3" I.D. pipe with the same type fittings. Spacer pipes of 1½" I.D. and 7/16" dia. guy rods with locknuts are used for rigidity. Extra holes are provided in the main support assembly to permit adjustment for plumbing the backboard.

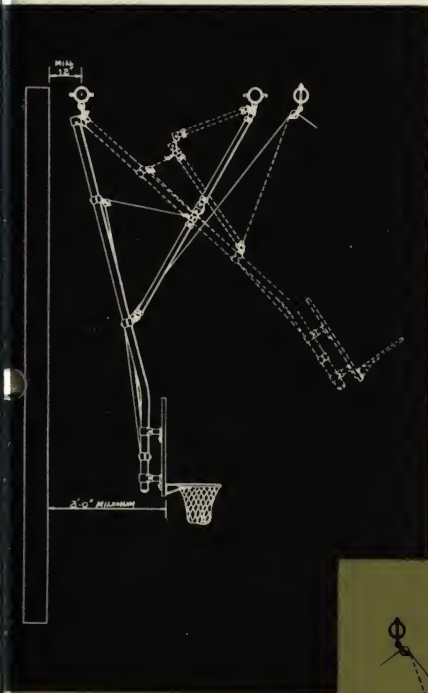
No. 112B

The vertical assembly consists of 2" I.D. pipes spaced the necessary distance apart to accommodate backboard. Spacer pipes of 2" I.D. pipes and 7/16" dia. guy rods with locknuts are used for rigidity. Vertical assembly is hinged at the top to permit raising the backstop.

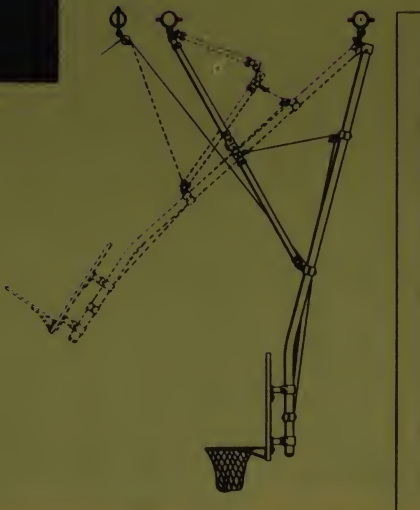
The brace assembly consists of 1½" I.D. pipes and spacers hinged on both ends and near center to permit folding. Cross bracing, ¼ x 1¼" steel straps.



■ FORWARD FOLD • special model 110F



This backstop is designed for use where a ceiling suspended, forward fold type backstop is required and bank location (close to wall) will not permit the use of our standard forward fold backstop. Front brace pipe assembly is hinged to permit raising of backstop.



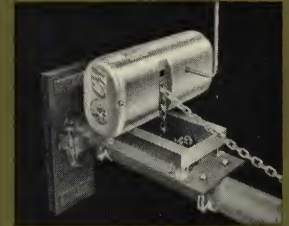
general specifications • model 110F

Main assembly constructed of 2" pipe and 1½" pipe bracing. Hinged assembly is 1½" pipe. Aluminum finish on all pipe and fittings. Brace pipe is equipped with positive lock. Automatically locks or unlocks at playing position by proper arrangement of hoist cable. Fittings for all assemblies are of malleable iron type. This unit furnished complete with WG-53 winch, cover, pulleys, 5/16 in. steel cables, etc., for a complete installation. Backstop frame shipped assembled.

- ceiling suspended
- swing-up and stationary types

■ HOISTING EQUIPMENT

■ No. 190 automatic electric hoist (optional)



Completely automatic electric hoist. Push button control raises or lowers backstop. Control stations can be grouped in one location for operating several backstops. (Wiring not included.)

Electric hoist is fully enclosed in a die cast aluminum housing. Precision double shield ball bearings used throughout the load lifting mechanism.

Electric hoist is designed to operate for an extended period without additional lubrication. Gears are packed with a non-oxidizing grease which need not be replenished. Moulded nylon gears and nuts in limit switch need no lubrication.

Heavy duty, vertical disc type brake, responds to push button. Brake holds in all positions. Will not release in case of faulty adjustment, excessive wear, or power failure.

Upper and lower safety limit switches are built in hoist. Can be set easily to shut off at both upper and lower positions.

Flexible link chain of hardened alloy steel pulls freely in all directions. It will not jam, kink, or fray. Extremely strong.

Each hoist is tested with 25% overload. Designed with a safety factor of 5. Operates on 110 volt, single-phase current.

■ standard winch hoists



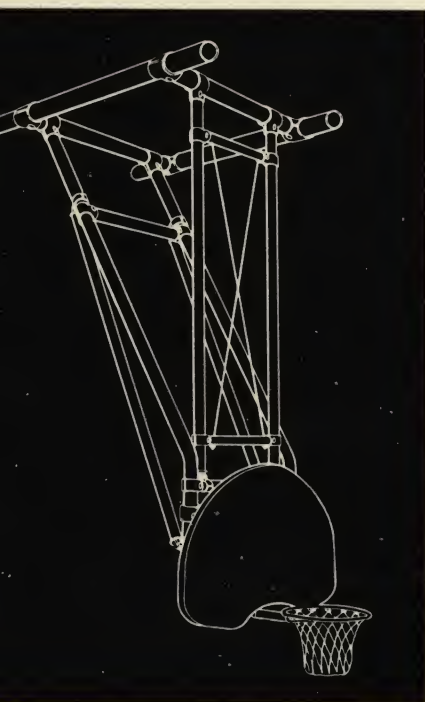
(Left) No. WG-53 Winch with No. 21 Cover.

Fully enclosed safety worm gear winch has removable handle with roller type grip. Gear ratio of 36 to 1 holds backstop in any position. Furnished with 2 x 12 x 24 in. mounting board with 2 anchoring holes reinforced with steel battens. Finished in dark gray enamel. Special gear lubricant furnished with winch when purchased with backstop. Weight 60 lbs.

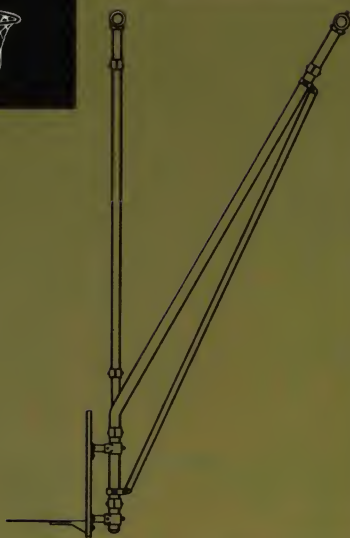
(Right) No. 19 Electric Winder with No. WG-53 Winch.

Light weight of 11 lb. makes operation easy. Winder has reversing switch to permit use in both raising and lowering. Right angle drive for easy handling. Motor is a heavy duty single phase 115-120 volt A.C. ½ horsepower. One winder can be used to operate several backstops.

CEILING BRACED • stationary model 113T



This type is suggested when moving the backstop out of the way is not necessary. It is also recommended where the backboard is located more than 10 ft. from wall, or where wall will not support wall mounted types.



general specifications • model 113T

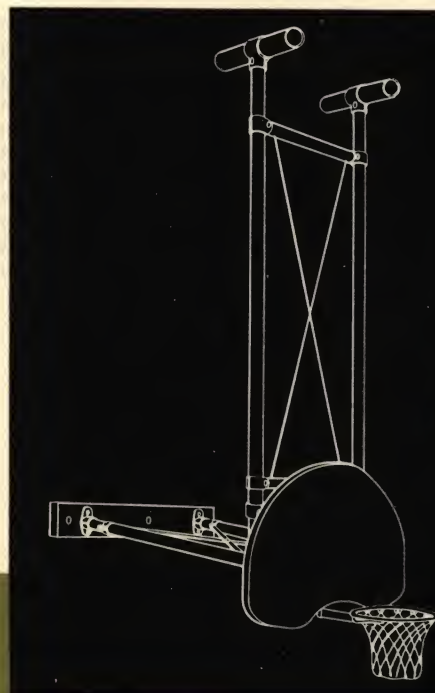
The main support assembly, consisting of two 2" I.D. pipes bent 30° from vertical, clamp around a 3" I.D. pipe. They are spaced the necessary distance apart to accommodate the proper backboard by two 2" I.D. pipe spacers located near the lower end and one 1 1/2" I.D. adjustable spacer located about 3 ft. from upper end. Additional stiffeners are attached midway between backboard supports to the back of each 2" I.D. support pipe and extend up about two-thirds assembly length.

The vertical assembly consists of two 1 1/2" I.D. pipes, attached at the lower end by tee clamps to a 2" I.D. cross member of the main support assembly. The upper ends are attached to a 3" I.D. pipe with similar type fittings. Spacer pipes of 1 1/2" I.D. and 7/16" dia. guy rods with locknuts are used for rigidity. Extra holes are provided in the main support assembly to permit adjustment for plumbing the backboard.

Backboard attachments are anchored to the main frame with slip-type fittings and have extra backboard attachment holes to provide vertical adjustment. Backstop frame shipped assembled.

WALL BRACED • stationary model 113W

Recommended where backboard is located 10 ft. or less from wall, and wall will not support wall mounted types, and where it is not necessary to move backstop out of the way.



general specifications • model 113W

Vertical assembly consists of 2" I.D. pipes spaced the necessary distance apart to accommodate backboard. Spacer pipes of 2" I.D. pipes and 7/16" dia. guy rods with locknuts are used for rigidity.

Horizontal braces consist of two 1 1/2" I.D. pipes anchored to wall on one end and to the vertical assembly on the other. Cross bracing, 1/4 x 1 1/4" steel straps. Furnished with fir wall pad and anchors. Backstop frame shipped assembled.

BASKETBALL BACKSTOPS



23

R

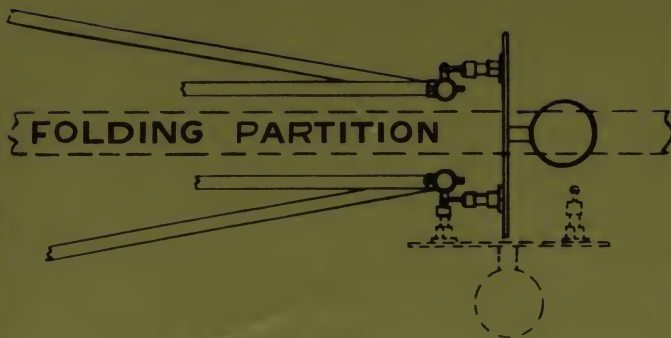
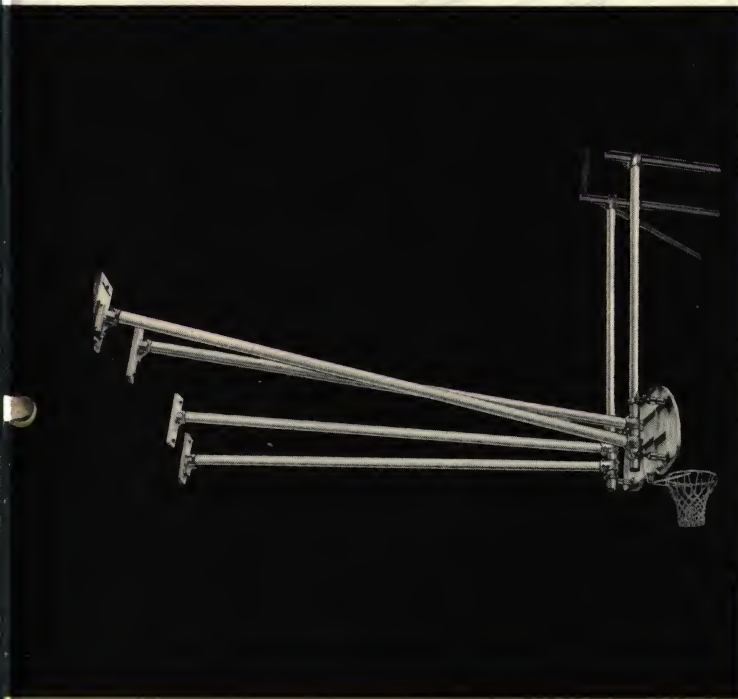
■ WALL BRACED • gate type model 18T

- ceiling suspended
- swing-up and stationary types

This type can be used to advantage when it is necessary to place the backboard directly in the path of a folding partition or curtain. The backboard itself is mounted on hinges and when released, can be swung to one side. Main framework remains stationary. Constructed of 2" I.D. pipe and malleable iron fittings. Furnished complete with wall brackets, etc. Aluminum finish on pipe and fittings.

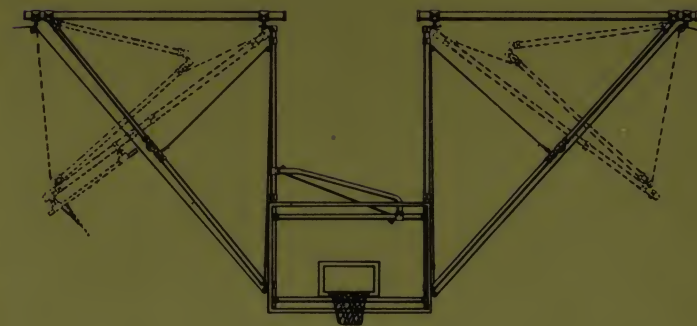
■ SWING-UP • special gate type model 18TF

When conditions require a fold-up backstop and also permit folding partition travel (folding partition at right angles to stage), here is a backstop designed to fulfill both needs. Actually a double backward fold backstop consisting of two (2) units similar to the 112-B shown on Page 4. When in playing position, the backboard is attached to both folding assemblies. Before hoisting, disconnect one side of backboard, swing around and attach to one folding assembly. Requires two (2) winches. Aluminum finish on pipe and fittings. Furnished complete for installation. Backstop frame shipped assembled.



general specifications • model 18T

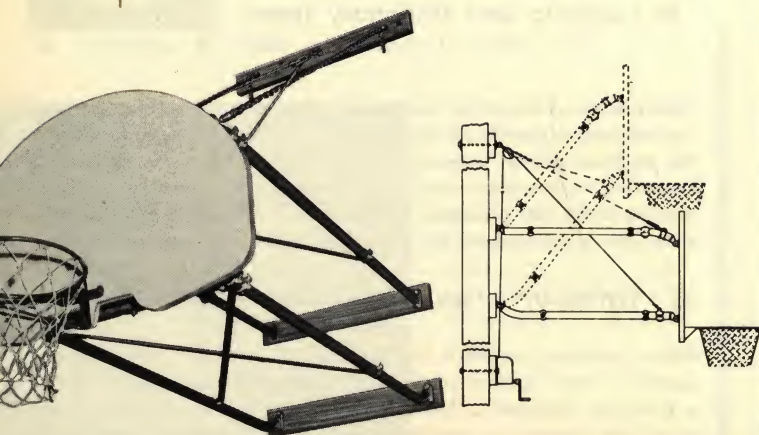
Vertical and horizontal supports consists of 2" I.D. pipe. Four horizontal supports are spread far enough apart at the wall to permit anchorage to the wall at both sides of folding door recess. Backboard is mounted on hinges to permit it to swing out of folding partition path. Furnished complete with wall pads, anchors, etc. for a complete installation.



general specifications • model 18TF

Vertical assemblies consists of 2" I.D. pipe spaced the necessary distance apart to accommodate backboard. Spacer pipes of 2" I.D. pipe and 7/16" diameter guy rods with locknuts are used for rigidity. Oblique brace assemblies consists of 1 1/2" I.D. pipes hinged on both ends and near center to permit folding. Cross bracing is 1/4 x 1 1/4 steel straps. When not in use backboard swings around and connects to opposite side of one frame. Entire unit can then be folded up. Furnished complete with winches, cables, etc. for a complete installation.

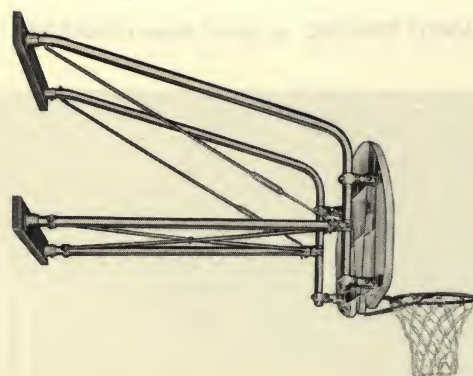
WALL MOUNTED MODELS



SWING-UP • model 15

A more economical type swing-up backstop that can be used if the backboard is not more than 9 ft. from the wall. To swing up properly, a ceiling height of 12'-8" plus the length of extension is necessary. Constructed of 1½" I.D. pipe and malleable iron fittings. Cross bracing ¼ x 1¼" flat mild steel. Safety chains are #8-0 attached to upper wall pad and behind backboard. Douglas Fir wall pads finished in two coats clear varnish. Aluminum finish on all pipe and fittings. Furnished complete with #WG53 winch and cover, cables, anchors, etc. for a complete installation.

15E—4 Ft. Extended	15H—7 Ft. Extended
15F—5 Ft. Extended	15J—8 Ft. Extended
15G—6 Ft. Extended	15K—9 Ft. Extended



WALL MOUNTED • stationary model 12

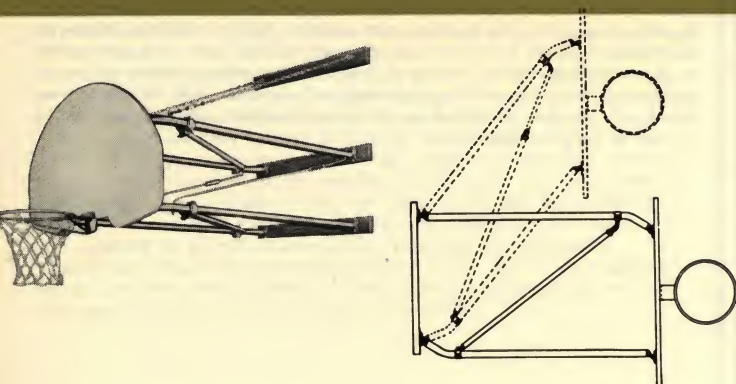
This is the simplest type of mounting and can be used where the backboard is not located over 10 ft. from the wall. Constructed of 1½" I.D. pipe and malleable iron fittings. Cross bracing ¼ x 1¼" flat mild steel. Guy rods ¾" dia. steel with turnbuckles. Douglas Fir wall pads are finished in two coats clear varnish. Aluminum finish on all pipe and fittings. Furnished complete with wall anchors. Extensions less than 3 ft. modified as required.

12A—0 Ft. Extended	12F—5 Ft. Extended
12B—1 Ft. Extended	12G—6 Ft. Extended
12C—2 Ft. Extended	12H—7 Ft. Extended
12D—3 Ft. Extended	12J—8 Ft. Extended
12E—4 Ft. Extended	12K—9 Ft. Extended
12L—10 Ft. Extended	

WALL MOUNTED • side fold model 16

This model is very similar in appearance to the wall mounted swing up type, but is less expensive since a winch is not required. Folds sideways against the wall simply by pushing on the backboard which unlocks diagonal brace. Folds in space equal to distance from backboard to wall. Constructed of 1½" I.D. pipe and malleable iron fittings. Telescoping diagonal braces hold backstop firmly in playing position. Guy rods ¾" dia. steel with turnbuckles. Safety chains #8-0. Douglas Fir wall pads finished in two coats clear varnish. Aluminum finish on all pipe and fittings. Furnished complete with wall anchors.

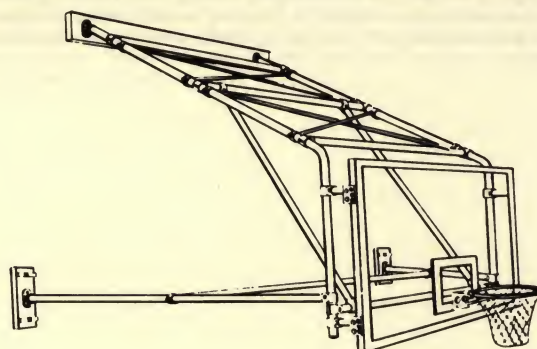
16E—4 Ft. Extended	16H—7 Ft. Extended
16F—5 Ft. Extended	16J—8 Ft. Extended
16G—6 Ft. Extended	16K—9 Ft. Extended



WALL BRACED • stationary model 120

This model is recommended where the upper wall pad is located above wall obstructions such as windows etc. The lower pads can also be set on either side of doors or windows. Constructed of 1½" I.D. pipe, malleable iron fittings and steel stampings. Cross bracing ¼ x 1¼" flat mild steel. Douglas fir wall pads are finished in two coats clear varnish. Aluminum finish on all pipe and fittings. Furnished complete with wall anchors.

120G—6 Ft. Extended	120K—9 Ft. Extended
120H—7 Ft. Extended	120L—10 Ft. Extended
120J—8 Ft. Extended	120M—11 Ft. Extended
120N—12 Ft. Extended	



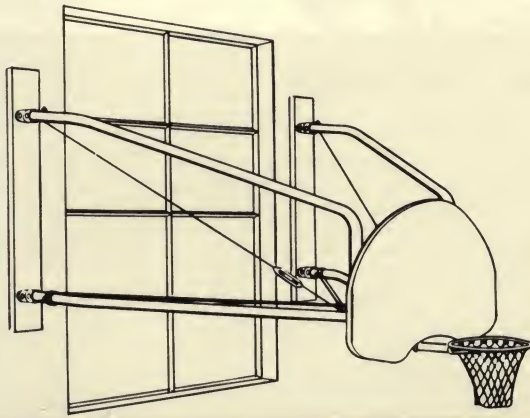
BASKETBALL BACKSTOPS

- wall mounted
- portable ■ pedestal



23

Re



■ WALL BRACED • window span model 17

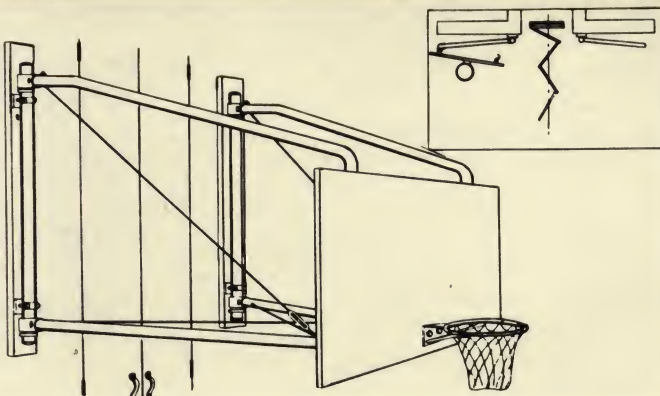
Especially designed for spanning window openings or other obstructions. Douglas fir wall pads can be located to suit building conditions. Constructed of 1½" I.D. pipe, malleable iron fittings, and steel stampings. Cross bracing ¼ x 1¼" flat mild steel. Side guy rods ¾" dia. steel rod and turnbuckles. Aluminum finish on all pipe and fittings. Furnished complete with wall anchors.

17E—4 Ft. Extended	17H—7 Ft. Extended
17F—5 Ft. Extended	17J—8 Ft. Extended
17G—6 Ft. Extended	17K—9 Ft. Extended
17L—10 Ft. Extended	

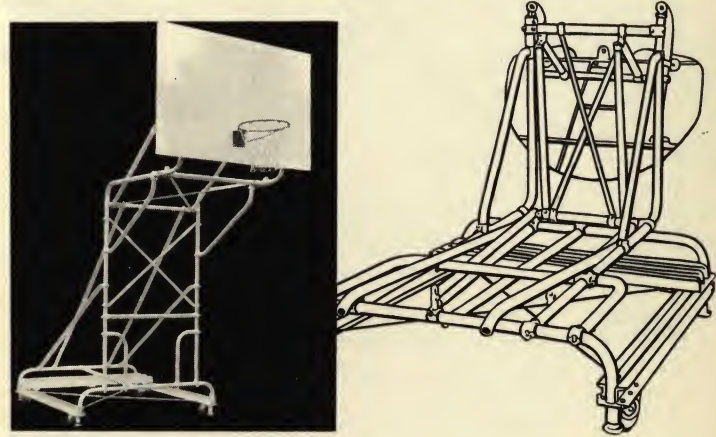
■ WALL MOUNTED • gate type model 18

Where the backboard is located in the path of a folding partition and the backboard is located 10 ft. or less from the wall, this is the most economical folding type backstop. Lower cross bracing is steel cables which can be disconnected easily by snap-open type connectors. This enables the backstop to swing apart easily to permit folding partition travel. No bolts to be removed. Douglas fir wall pads can be set to span opening. Constructed of 1½" I.D. pipe, malleable iron fittings, and steel stampings. Side guy rods ¾" dia. steel rods and turnbuckles. Aluminum finish on all pipe and fittings. Furnished complete with wall anchors.

18E—4 Ft. Extended	18G—6 Ft. Extended	18J—8 Ft. Extended
18F—5 Ft. Extended	18H—7 Ft. Extended	18K—9 Ft. Extended
18L—10 Ft. Extended		

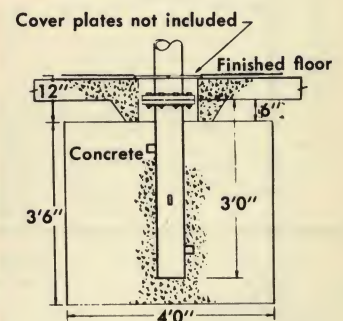
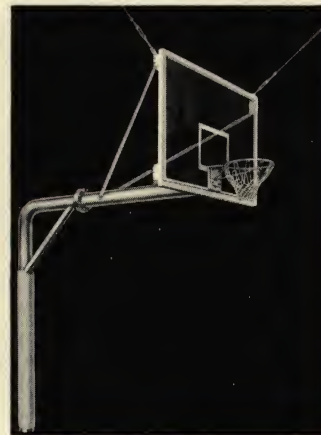


■ PORTABLE MODELS • model 22



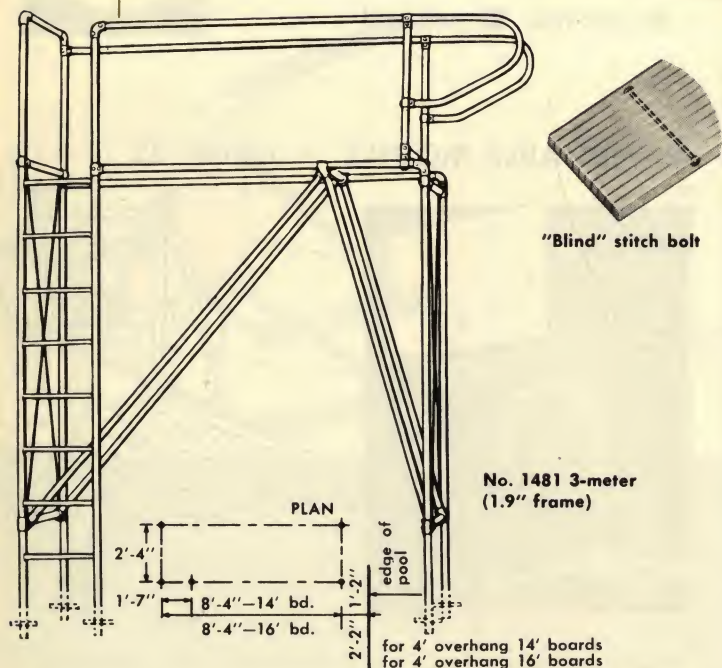
Standard portable backstops are recommended where other types are not practical or where it is desired to remove out of sight. These units are equipped with weight racks for anchoring (Weights not included). Rubber shod screw adjustments raise rubber tired casters off the floor, adjust height and level goal. Base size is 6 ft. 3 in. wide by 6 ft. 9 in. long. Backboard overhang is 5 ft. Length in playing position 11 ft. 9 in. Overall folded size 6¼ x 6 ft. If stage type is desired (#23), give height of stage above floor.

■ PEDESTAL TYPE • model 312P

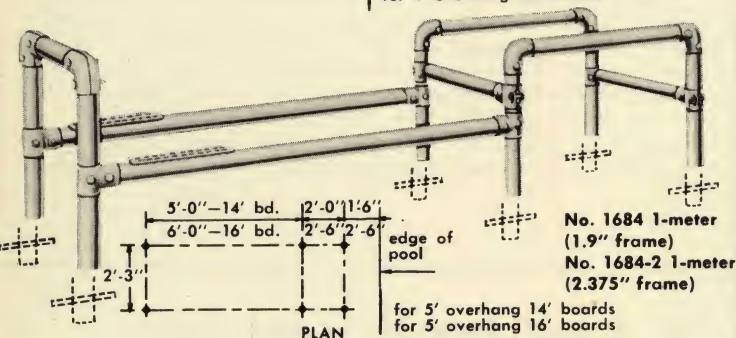


A permanent type backstop for high school or field-house use, and recommended where truss heights preclude use of overhead suspended types. Single pipe construction holds obstruction of view to a minimum. Rigidly constructed of 6 in. I.D. pipe with 3 in. I.D. pipe brace.

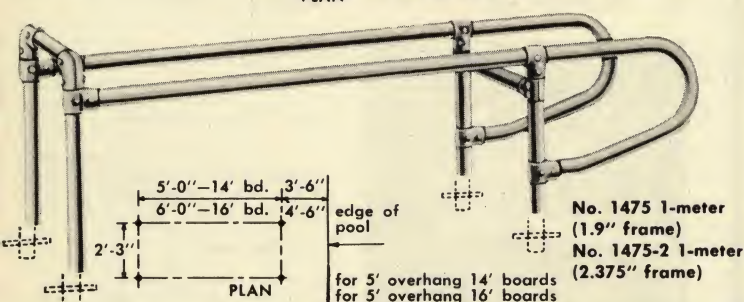
Furnished complete with padding and 5/16" steel guy cables to roof. Pipe finished in aluminum. Distance from center of vertical pipe to face of backboard, 9 ft. Entire pipe assembly, including base, should be assembled and located in gym, with pipe braced firmly in position, before concrete is poured. This insures proper alignment of sections. CONCRETE BASE AND COVER NOT INCLUDED.



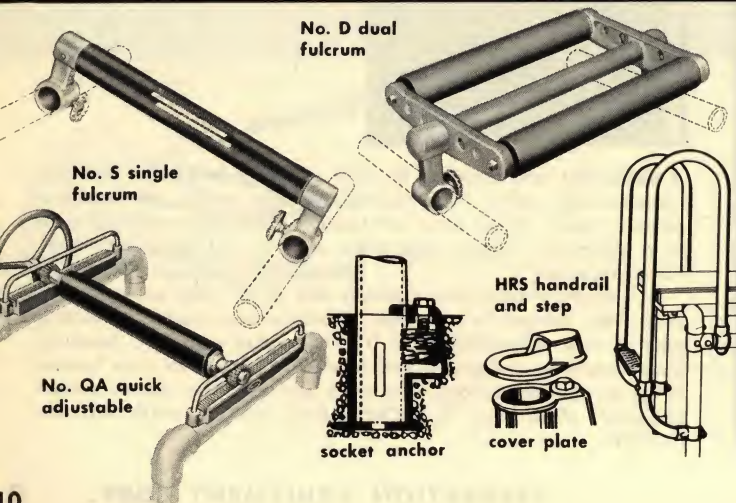
No. 1481 3-meter
(1.9" frame)



No. 1684 1-meter
(1.9" frame)
No. 1684-2 1-meter
(2.375" frame)



No. 1475 1-meter
(1.9" frame)
No. 1475-2 1-meter
(2.375" frame)



DIVING BOARDS

Laminated wood diving boards

No. 7216—16' board; No. 7214—14' board—Made of the highest grade straight grain Douglas Fir. Skid-proof safety enamel tread with abrasive material suspended in pigment. Tips reinforced with a "blind" stitch bolt. Also available with multiple layers of fiberglass. Scientifically tapered from tip to center of board to give official action as well as durability.

Townsend "dual action" aluminum diving boards

No. 9116—16' board; No. 9114—14' board—Constructed of special alloy aluminum tubular sections, especially engineered to give official action with every dive. Ends the broken diving board problem. Skid-proof safety enamel tread with abrasive material suspended in pigment. 3-year warranty. (Pat. Pend.)

features

Frames made of new hot galvanized structural steel pipe or Type 304, 320 grit finish stainless steel. Available in 1.9" O.D. or 2.375" O.D. sizes. Frames rigidly locked together by split clamp fittings. Stair treads have 20 grooves running full width for extra non-slip safety. Engineered for "heavy duty" use.

three meter frame

No. 1481 galvanized; No. S-1481 stainless—Handrails looped forward of front legs for utmost safety. Choice of fulcrum (single, dual, or quick adjustable). Can be made for 14' or 16' boards. For permanent installation in concrete with anchor rods (for removable frame, specify socket anchors).

one meter frame

No. 1684 galvanized; No. S-1684 stainless—YMCA style with anti-slip step on each side bar. Especially designed to accommodate quick adjustable fulcrum, but can be supplied with single or dual fulcrum. Can be made for 14' or 16' boards. For permanent installation in concrete with anchor rods (for removable frame, specify socket anchors).

No. 1475 galvanized; No. S-1475 stainless (stainless available in 1.9" O.D. only)—This frame especially made to fit narrow walkway conditions. Only available with single or dual fulcrum (quick adjustable fulcrum will not fit). Can be made for 14' or 16' boards. For permanent installation in concrete with anchor rods (for removable frame, specify socket anchors).

Specifications

All swimming pool equipment shall be as manufactured by Recreation Equipment Corporation, Anderson, Indiana, and shall be installed in accordance with manufacturers instructions. **FRAME:** Shall be meter frame No. constructed of (galvanized iron; or stainless steel type 304, 320 grit finish) in. O.D. Frame shall be (permanently installed in concrete using anchor rods; or shall be removable using socket anchors). State which. **ANCHOR:** Shall be installed in concrete, adhering strictly to spacing of frame legs. **DIVING BOARD:** Shall be (laminated wood; or aluminum) No. length (14 or 16 ft.). (Aluminum board shall carry 3 years warranty). **FULCRUM:** Shall be (single, dual, or quick adjustable) No. with 5/8" live rubber. **HAND RAIL and STEP:** Shall be Type HRS (galvanized or stainless steel). **COVER PLATE:** Shall be No. and satin chrome finish.

FULCRUM • SOCKET ANCHOR

No. S single fulcrum—5/8" thick live rubber, 22" long. Adjustable—hand wheels lock unit in one position.

No. D dual fulcrum—Same as single fulcrum, except has 2 rubber rollers 14" apart, which broadens and eases bending of boards.

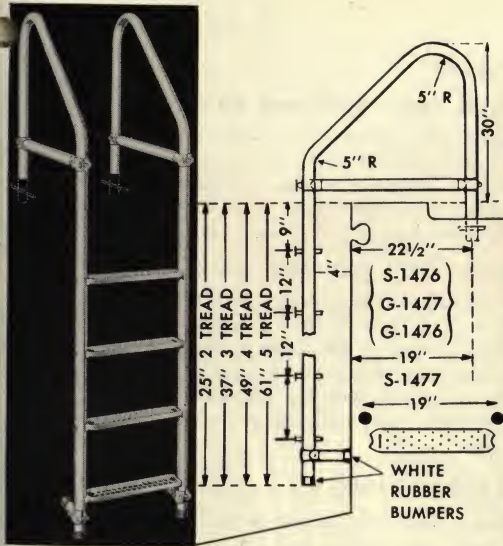
No. QA quick adjustable—For championship use—readily adjustable between dives, does not permit diving board to move up or down.

socket anchor—Galvanized iron with bronze wedge secures pipe legs firmly in place, yet allows easy removal of equipment. Can be shipped ahead when concrete is poured. No. 70 for 1.9" O.D. pipe. No. 201 for 2.375" O.D. pipe.

HRS handrail and step—Makes it easier and safer for swimmers to mount frame.

cover plate—Satin Finished Chrome. No. 69 for 1 1/2" pipe, No. 65 for 2" pipe.

- diving boards ■ frames, etc.
- pool cleaning equipment



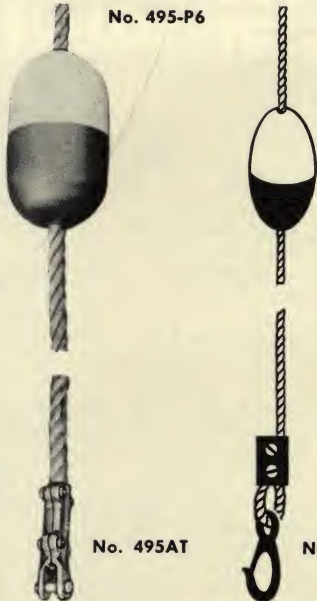
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No. 1490

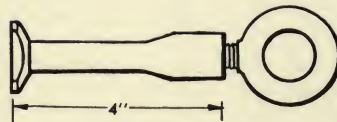
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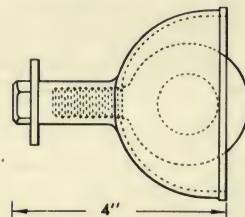


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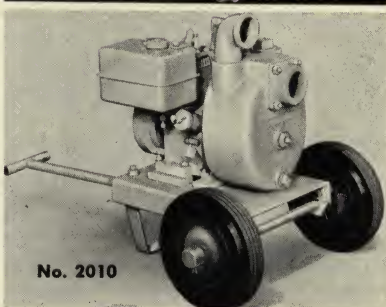
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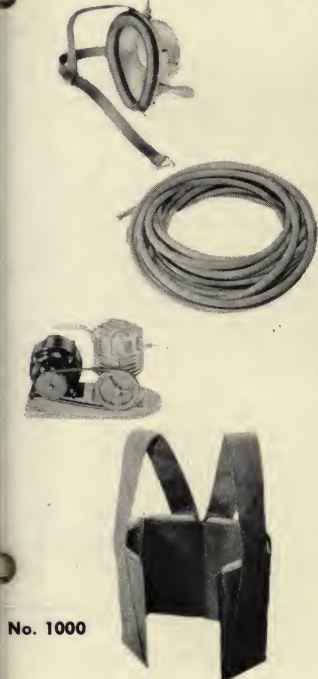
No. 495-RW



No. 2002



No. 2010



No. 1000

LADDER • CHAIR

pool ladder

galvanized and stainless—Vertical risers made of 1.9" O.D. new hot galvanized structural steel pipe or Type 304 stainless steel with 5" radii bends for graceful appearance. Anti-slip treads 3" wide and 19" long. Top of ladder is permanently installed in concrete with anchor rods. For removable ladders, specify No. 70 socket anchors (see page 10).

		Galvanized	Stainless Steel
With cross brace	3 tread	G-1476-3	S-1476-3
Without cross brace	3 tread	G-1477-3	S-1477-3
With cross brace	4 tread	G-1476-4	S-1476-4
Without cross brace	4 tread	G-1477-4	S-1477-4

guard chair

G-1490 galvanized; S-1490 stainless—Made of 1.9" O.D. new hot galvanized structural steel pipe or Type 304 stainless steel, rigidly locked together with smooth split clamp fittings. 6' high. Seat and back rest made of 5/4" Douglas Fir. 2 lifebuoy hooks and one umbrella holder. Made for permanent installation in concrete with anchor rods. For removable guard chair, specify No. 70 socket anchor (see page 10).

LIFE LINES • WALL ANCHORS

No. 495-P6 life lines—3/4" waterproofed manila rope with 4 1/2" x 9" red and white plastic floats spaced 6' on center. Also available in 3/4" polyethylene (No. 496-P6).

No. 495AT attachments—Heavy bronze attachment clamps with clevis pin action for easy removal of life-line.

No. 498 racing lanes—3/8" waterproofed manila rope with 3" x 5" red and white plastic floats spaced 5' on center. Also available in 3/8" polyethylene (No. 499).

No. 498AT attachments—Brass attachment clamp with brass snap ring for easy removal of racing lanes.

No. 1495-SW wall anchors—Standard bronze wall anchors made for flush mounting, 3/8" diameter eye bolt.

No. 495-RW wall anchors—Recessed bronze wall anchors made for recessed mounting of 3/8" diameter eye bolt.

POOL CLEANING EQUIPMENT

No. 1000 diving mask outfit—Includes aluminum mask (wt. 7#) with soft pneumatic face tube to fit any face comfortably, 100' air hose, air compressor with 1/2 h.p. 110 volt motor, and waterproof canvas jacket with 6 galvanized iron weights. Quickest and best way for lifeguard or other personnel to clean deep end of large pools.

No. 2002 suction cleaner—Rustproof bronze suction cleaner is rugged and simple. Silt stirred by the brush is drawn out through the hose. It will pick up stones, silt, leaves, and most ordinary pool refuse without clogging. Cleaner measures 2 1/2" wide x 20" long. The two-row stiff nylon brush is fitted with brass springs to maintain positive contact with surface. Firm rubber wheels on ball bearing swivels can be adjusted for height. 5' handle for use with diving mask.

No. 2010 gasoline powered pump—Simplified, compact design with self-cleaning action, 1 1/2" pump with dual volutes for fast automatic priming, 4000 GPH capacity for use with No. 2002 suction cleaner. Available either as gasoline or electric powered units. Gasoline engine is 1 1/2 h.p. 4-cycle, single cylinder air cooled. Electric motors are 1 1/2 h.p., 110/220 volt single phase or 220/440 volt 3-phase.

BACKBOARDS

fan shaped

14FM with "MG" goal and 60 thread net

Steel: This single sheet 12-gauge steel backboard has smooth 1½ in. wide rolled edges; and arc welded reinforcing channels. The finish is eggshell non-glare enamel. Uses No. MG goal with 60 thread white seine twine net.

14FS with "AG" goal and 60 thread net

Plywood: The face of this bank is ¾ in. 5-ply fir. Reinforcing consists of three 1¼ in. x 6 in. stiffeners fastened to the back. It is finished in eggshell non-glare enamel. Uses No. AG goal with 60 thread white seine twine net.

14FG with "GG" goal and 120 thread net

Glass: Heat tempered glass, ¾ in. thick, is set in a steel frame. Glass assures livelier rebounds and improves end-court visibility. A 2 in. wide white border and center rectangular target can never wear off. Uses No. GG goal with 120 thread white seine twine net.

rectangular

14RP with "AG" goal and 60 thread net

Plywood: One piece, ¾ in. 5-ply, backed by a reinforcing frame of 2 in. fir built to regulation dimensions. Eggshell white, non-glare enamel gives it an attractive finish. Uses No. AG goal with 60 thread white seine twine net.

14RG with "GG" goal and 120 thread net

Glass: Heat tempered glass, ½ in. thick is set into 2 in. x 2 in. x 3/16 in. angle iron frame. This glass is three to five times as strong as ordinary plate glass. A steel face plate bolted to the bottom center has lugs for attaching the goal. Uses No. GG goal with 120 thread white seine twine net.

GOAL RINGS

Regulation goal rings made of ¾ in. dia. cold rolled steel. The net is easily attached by means of "no-tie" welded loops. Front or rear mounting rings are available. Finished in official bright orange baked on enamel.

TYPICAL BASKETBALL BACKSTOP SPECIFICATIONS

All basketball backstops shown on plans or covered by the specifications shall be as manufactured by Recreation Equipment Corp., Anderson, Indiana or approved equal.

Overhead supports

Backstops shall be suspended from 3" I.D. pipe anchored to roof or ceiling members by means of extra sturdy malleable iron beam clamps. Cross pipes of 3" I.D. shall span overhead pipe when latter is parallel to longitudinal center line of backstop. Superstructure of cradle type design shall be used when truss height is excessive. When anchoring points are more than 16 ft. on center, overhead pipe shall be reinforced 3" I.D. pipe. Truss anchors shall be installed prior to installation of finished ceiling to provide suspension points below ceiling for 3" I.D. pipe.

Ceiling suspended backstops (See selector guide on page 2)

No. 112F forward fold—Main oblique support assembly shall be 2" I.D. pipe, spaced to accommodate selected backboard by two 2" I.D. pipe spacers located near lower end and one 1½" I.D. adjustable spacer located in upper section of frame. Additional 1½" I.D. pipe stiffeners shall be attached midway between the backboard supports to the back of each 2" I.D. support pipe and extends upward two-thirds assembly length attaching at upper end to main supports. Vertical supports shall be 1½" I.D. pipe hinged near the top and at upper and lower ends to permit folding. Spacer pipes shall be 1½" I.D. cross guyed with 7/16" dia. rods with locknuts.

No. 110F forward fold—Main oblique support assembly shall be 2" I.D. pipe, spaced to accommodate selected backboard by 1½" I.D. pipe spacers. Intermediate 1½" I.D. pipe stiffeners shall connect to lower spacer pipe and to spacer pipe located near center of assembly. Front oblique assembly shall be 1½" I.D. pipe hinged on both ends and near center. Cross bracing shall be ¼ x 1¼ mild steel straps.

No. 112B backward fold—Vertical assembly shall be 2" I.D. pipe spaced to accommodate selected backboard by 2" I.D. pipe and cross guyed with 7/16" dia. rods with locknuts. Assembly shall be hinged at top to permit folding. Oblique brace assembly shall be 1½" I.D. pipe and spacers hinged on both ends and near center. Cross bracing shall be ¼ x 1¼ mild steel straps.

No. 113T stationary self braced—Main oblique support assembly shall be 2" I.D. pipe, spaced to accommodate selected backboard by two 2" I.D. pipe spacers located near lower end and one 1½" adjustable spacer located in upper section of frame. Additional 1½" I.D. pipe stiffeners shall be attached midway between the backboard supports to the back of each 2" I.D. support pipe and extend upward two-thirds assembly length attaching at upper end to main supports. Vertical assembly shall be 1½" I.D. pipe with spacer pipes and cross guyed with 7/16" dia. rods with locknuts.

No. 113W stationary wall braced—Vertical assembly shall be 2" I.D. pipe spaced to accommodate selected backboard by 2" I.D. pipe and cross guyed

with 7/16" dia. rods with locknuts. Horizontal braces shall be 1½" I.D. pipe connected to wall and vertical assembly. Cross bracing shall be ¼ x 1¼ mild steel straps. Wall pad shall be fir with wall anchors.

No. 18T gate type—Vertical and Horizontal supports shall be 2" I.D. pipe spaced to accommodate selected backboard and to permit folding partition travel. Backboard attachments shall be hinged to permit backboard to be swung to one side. Wall pads shall be fir with wall anchors.

No. 18TF folding gate type—Vertical and oblique assemblies shall be as specified for Recreation Model 112B. Backboard supports shall connect across the two folding assemblies and hinged to permit backboard to be swung around and attached to one frame for hoisting. Provide winch for each folding section.

Wall mounted backstops

No. 15 wall mounted swing up—Four 1½" I.D. extension pipes shall extend backboard ft. in. (specify distance) from wall. Extension pipes shall have pipe spacers to accommodate selected backboard and cross bracing of ¼ x 1¼ mild steel straps. Provide fir wall pads and anchors. Safety chains shall support outer end of extension pipes and extend upwards at 45° to upper wall pad. Provide wall mounted winch and hoist cable.

No. 12 wall mounted stationary—Four 1½" I.D. extension pipes shall extend backboard ft. in. (specify distance) from wall and spaced to accommodate selected backboard. Lower horizontal extension pipes shall be cross braced with ¼ x 1¼ mild steel straps. Diagonal bracing shall be ¾" dia. rods with turnbuckles. Provide fir wall mounting pads and wall anchors.

Other wall mounted, portable, and field house backstops

(See selector guide and respective catalog pages for description)

Winch and hoist cable—Winch shall be fully enclosed type, wormgear design, to permit backstop to be automatically held in place at any point during raising or lowering. Winch shall be furnished with removable roller type grip handle. Furnished complete with mounting board and wall bolts. Hoist cable shall be 5/16" diameter, 6 x 19 plow steel wire rope of sufficient length to permit locating the winch as directed.

Sheaves—All swing up backstops shall be equipped with sheaves and all fittings to permit easy hoisting of backstop. Sheaves shall be of sufficient diameter to prevent damage to hoist cable. Provide swivel type where required.

Finish—All backstops, except backboards, goals, cables, winches, bolts and nuts shall be given one (1) coat of aluminum paint at factory. If other finish is desired, specify final painting at job site by painting contractor.

Backboards and goals (See top of page for specifications)

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